

=> d his

(FILE 'HOME' ENTERED AT 10:17:57 ON 04 FEB 2005)

FILE 'REGISTRY' ENTERED AT 10:21:37 ON 04 FEB 2005

E TIOTROPIUM

L1 8 S E3

E SALMETEROL

L2 11 S E3

FILE 'CAPLUS' ENTERED AT 10:26:19 ON 04 FEB 2005

L3 176 S L1

S 412010-64-1/REG# OR 412010-63-0/REG# OR 412010-62-9/REG#

FILE 'REGISTRY' ENTERED AT 10:34:53 ON 04 FEB 2005

L4 1 S 136310-93-5/RN

FILE 'CAPLUS' ENTERED AT 10:34:53 ON 04 FEB 2005

L5 122 S L4

FILE 'REGISTRY' ENTERED AT 10:34:53 ON 04 FEB 2005

L6 1 S 186691-13-4/RN

FILE 'CAPLUS' ENTERED AT 10:34:54 ON 04 FEB 2005

L7 88 S L6

FILE 'REGISTRY' ENTERED AT 10:34:54 ON 04 FEB 2005

L8 1 S 411207-31-3/RN

FILE 'CAPLUS' ENTERED AT 10:34:54 ON 04 FEB 2005

L9 27 S L8

FILE 'REGISTRY' ENTERED AT 10:34:55 ON 04 FEB 2005

L10 1 S 412010-60-7/RN

FILE 'CAPLUS' ENTERED AT 10:34:55 ON 04 FEB 2005

L11 19 S L10

FILE 'REGISTRY' ENTERED AT 10:34:55 ON 04 FEB 2005

L12 1 S 412010-61-8/RN

FILE 'CAPLUS' ENTERED AT 10:34:55 ON 04 FEB 2005

L13 19 S L12

FILE 'REGISTRY' ENTERED AT 10:34:56 ON 04 FEB 2005

L14 1 S 412010-62-9/RN

FILE 'CAPLUS' ENTERED AT 10:34:56 ON 04 FEB 2005

L15 19 S L14

FILE 'REGISTRY' ENTERED AT 10:34:56 ON 04 FEB 2005

L16 1 S 412010-63-0/RN

FILE 'CAPLUS' ENTERED AT 10:34:57 ON 04 FEB 2005

L17 15 S L16

FILE 'REGISTRY' ENTERED AT 10:34:57 ON 04 FEB 2005

L18 1 S 412010-64-1/RN

FILE 'CAPLUS' ENTERED AT 10:34:57 ON 04 FEB 2005

L19 19 S L18

L20 176 S L19 OR L17 OR L15 OR L13 OR L11 OR L9 OR L7 OR L5

L21 176 S L3 OR L20

L22 839 S L2

L23 0 S L1(L)L2

L24 0 S L21(L)L22

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FILE 'EPFULL, FRFULL, PATDPAFULL, PCTFULL, RDISCLOSURE, USPATFULL,
USPAT2' ENTERED AT 10:37:22 ON 04 FEB 2005

L25 372 S L23 OR L24
L26 371 DUP REM L25 (1 DUPLICATE REMOVED)
L27 44 S L26 NOT PY>=2001

FILE 'USPATFULL, USPAT2' ENTERED AT 10:40:50 ON 04 FEB 2005

L28 0 S L25

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USPAT2' ENTERED AT 10:41:17 ON 04 FEB 2005

=> s e3

L1 8 TIOTROPIUM/BI

=> d rn str cn 1-8

L1 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN

RN 412010-64-1 REGISTRY

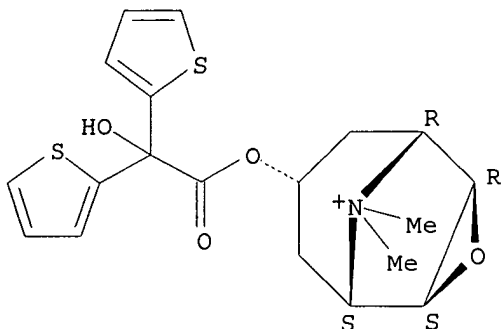
CN 3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, (1 α ,2 β ,4 β ,5 α ,7 β a.)-, salt with 4-methylbenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

OTHER NAMES:

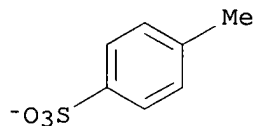
CN **Tiotropium p-toluenesulfonate**

CM 1

Relative stereochemistry.



CM 2



L1 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN

RN 412010-63-0 REGISTRY

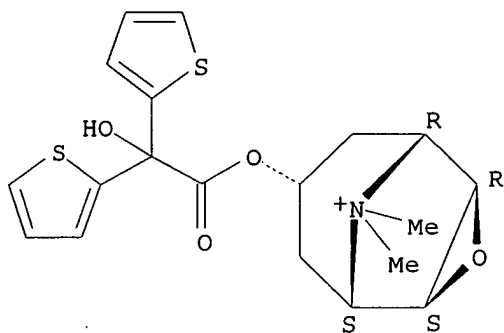
CN 3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, (1 α ,2 β ,4 β ,5 α ,7 β a.)-, methyl sulfate (salt) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN **Tiotropium methylsulfate**

CM 1

Relative stereochemistry.



CM 2

Me-O-SO₃⁻

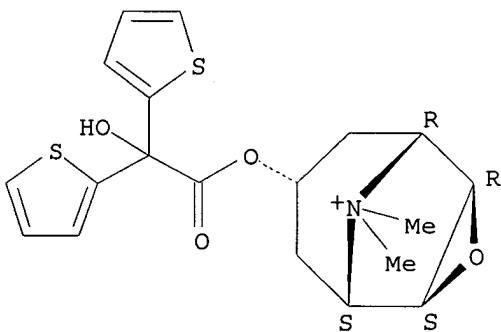
L1 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 412010-62-9 REGISTRY
 CN 3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, (1 α ,2 β ,4 β ,5 α ,7 β et a.)-, methanesulfonate (salt) (9CI) (CA INDEX NAME)

OTHER NAMES:

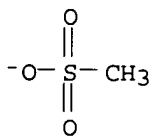
CN **Tiotropium methanesulfonate**

CM 1

Relative stereochemistry.

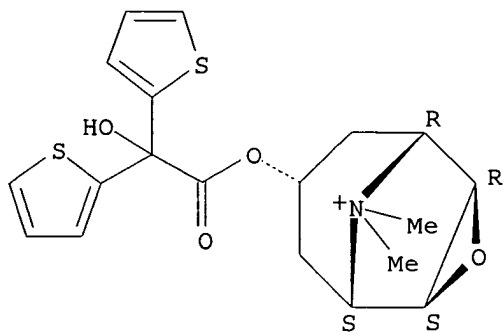


CM 2



L1 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 412010-61-8 REGISTRY

Relative stereochemistry.



● I⁻

CN 3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, iodide, (1 α ,2 β ,4 β ,5.alpha.,7 β)- (9CI) (CA INDEX NAME)

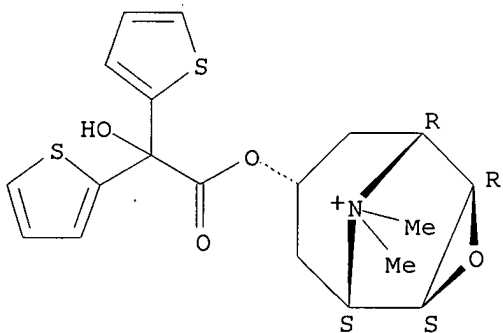
OTHER NAMES:

CN **tiotropium iodide**

L1 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN

RN 412010-60-7 REGISTRY

Relative stereochemistry.



● Cl⁻

CN 3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, chloride, (1 α ,2 β ,4 β ,5.alpha.,7 β)- (9CI) (CA INDEX NAME)

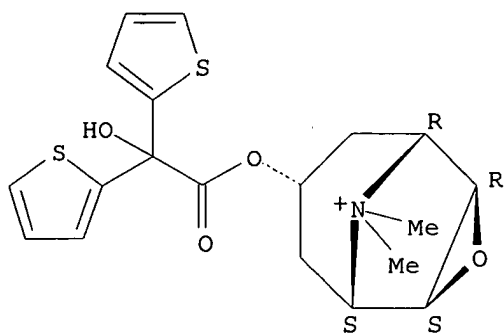
OTHER NAMES:

CN **tiotropium chloride**

L1 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN

RN 411207-31-3 REGISTRY

Relative stereochemistry.



● Br⁻

● H₂O

CN 3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, bromide, monohydrate, (1 α ,2 β ,4 β ,5 α ,7 β)- (9CI) (CA INDEX NAME)

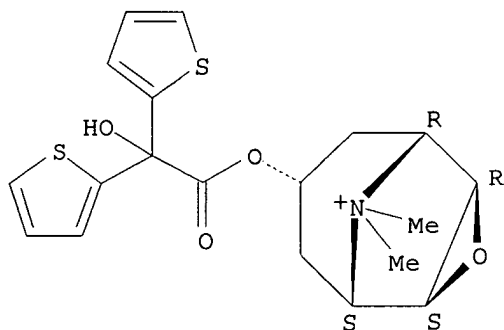
OTHER NAMES:

CN **Tiotropium bromide monohydrate**

L1 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN

RN 186691-13-4 REGISTRY

Relative stereochemistry.



CN 3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, (1 α ,2 β ,4 β ,5 α ,7 β)- (9CI) (CA INDEX NAME)

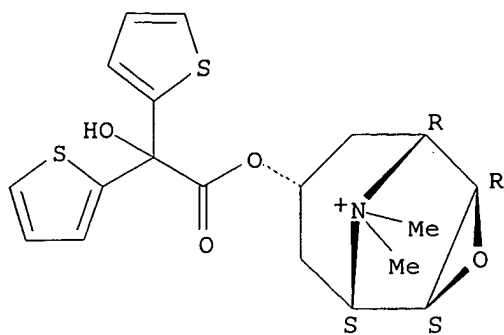
OTHER NAMES:

CN **Tiotropium**

L1 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN

RN 136310-93-5 REGISTRY

Relative stereochemistry.



● Br⁻

CN 3-Oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 7-[(hydroxydi-2-thienylacetyl)oxy]-9,9-dimethyl-, bromide, (1 α ,2 β ,4 β ,5.alpha.,7 β)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 3-Oxa-9-azatricyclo[3.3.1.0^{2,4}]nonane, 3-oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane deriv.

OTHER NAMES:

CN BA 679BR

CN Spiriva

CN tiotropium

CN **Tiotropium bromide**

=> s e3

L2 11 SALMETEROL/BI

=> d rn str cn 1-11

L2 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN

RN 384849-80-3 REGISTRY

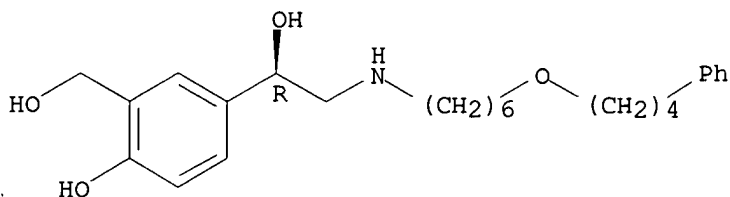
CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (α 1R)-, acetate (salt) (9CI) (CA INDEX NAME)

OTHER NAMES:

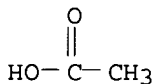
CN (R)-Salmeterol acetate

CM 1

Absolute stereochemistry. Rotation (-).



CM 2



L2 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN

RN 384849-79-0 REGISTRY

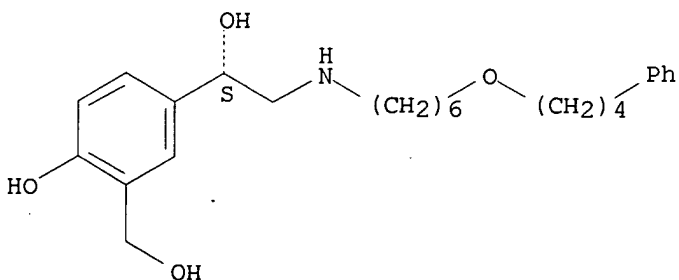
CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (α 1S)-, acetate (salt) (9CI) (CA INDEX NAME)

OTHER NAMES:

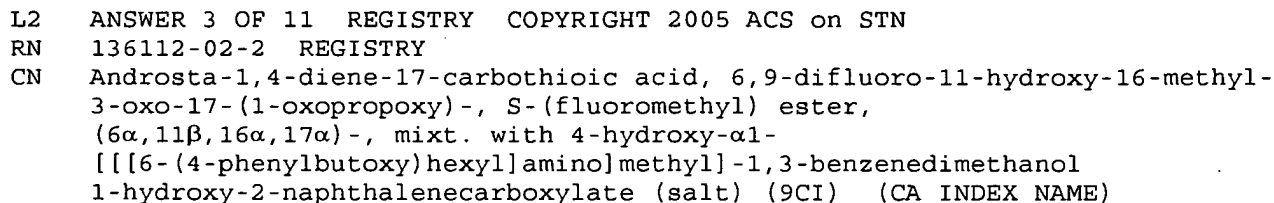
CN (S)-Salmeterol acetate

CM 1

Absolute stereochemistry.



CM 2



CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (\pm)-, 1-hydroxy-2-naphthalenecarboxylate (salt), mixt. contg.

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, 1-hydroxy-2-naphthalenecarboxylate (salt), mixt. contg. (9CI)

CN 2-Naphthalenecarboxylic acid, 1-hydroxy-, compd. with (\pm)-4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzenedimethanol, mixt. contg.

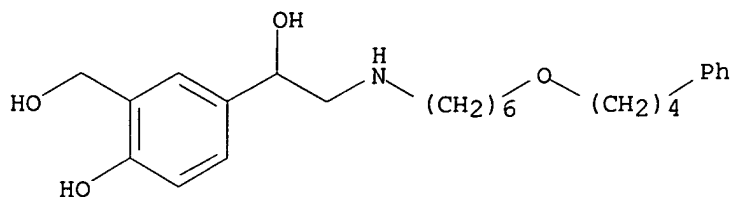
CN 2-Naphthalenecarboxylic acid, 1-hydroxy-, compd. with 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzenedimethanol, mixt. contg. (9CI)

CN Androsta-1,4-diene-17-carbothioic acid, 6,9-difluoro-11-hydroxy-16-methyl-3-oxo-17-(1-oxopropoxy)-, S-(fluoromethyl) ester, (6 α ,11 β ,16 α ,17 α)-, mixt. with (\pm)-4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzenedimethanol 1-hydroxy-2-naphthalenecarboxylate (salt)

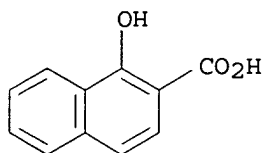
CN Fluticasone propionate mixt. with salmeterol 1-hydroxy-2-naphthoate
(salt)
CN SAS 40023

The chemical structure shows a steroid nucleus with a ketone at C3 and a double bond between C4 and C5. Stereochemical labels S, R, and F are used to denote specific configurations at various chiral centers. A hydroxyl group (HO) is attached at C14 with an S configuration. Methyl groups (Me) are at C10 (S), C13 (R), and C14 (S). A fluorine atom (F) is at C17 with an S configuration. A side chain at C13 includes a methyl group (Me) with an S configuration, a methylene group (FCH₂) with an S configuration, and a carbonyl group (C=O). An ester group (O-C(=O)-Et) is attached at C17 with an R configuration. A methyl group (Me) is also shown with an R configuration. Dashed lines indicate the spatial orientation of the fluorine atoms and the ester group.

CM 3



CM 4



L2 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN

RN 135271-49-7 REGISTRY

CN 2-Naphthalenecarboxylic acid, 1-hydroxy-, compd. with (α1R)-4-hydroxy-α1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzenedimethanol (1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

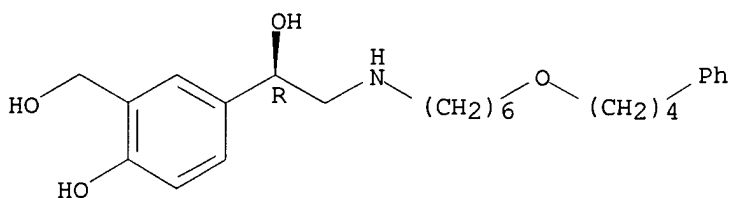
CN 1,3-Benzenedimethanol, 4-hydroxy-α1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (α1R)-, 1-hydroxy-2-naphthalenecarboxylate (salt) (9CI)

OTHER NAMES:

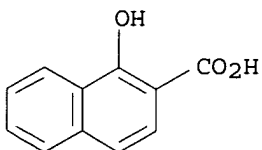
CN (R)-Salmeterol 1-hydroxy-2-naphthoic acid salt

CM 1

Absolute stereochemistry. Rotation (-).



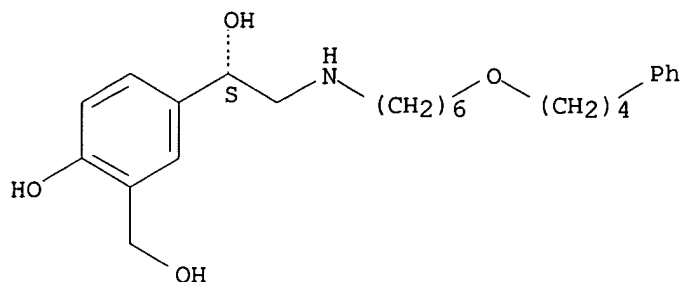
CM 2



L2 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN

RN 135271-48-6 REGISTRY

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (α 1S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (S)-

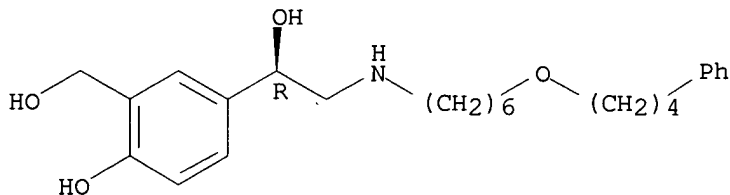
OTHER NAMES:

CN (S)-Salmeterol

L2 ANSWER 6 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN

RN 135271-47-5 REGISTRY

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (α 1R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (R)-

OTHER NAMES:

CN (R)-Salmeterol

CN R-(-)-Salmeterol

L2 ANSWER 7 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN

RN 94749-10-7 REGISTRY

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, sulfate (2:1) (salt) (9CI) (CA INDEX NAME)

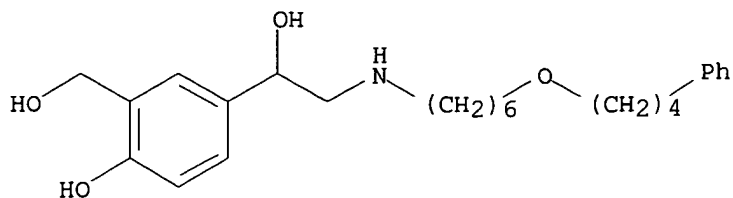
OTHER CA INDEX NAMES:

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (\pm)-, sulfate (2:1) (salt)

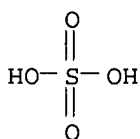
OTHER NAMES:

CN Salmeterol sulfate

CM 1



CM 2



L2 ANSWER 8 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN

RN 94749-08-3 REGISTRY

CN 2-Naphthalenecarboxylic acid, 1-hydroxy-, compd. with 4-hydroxy- α 1-
[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzenedimethanol (1:1) (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (\pm)-, 1-hydroxy-2-naphthalenecarboxylate (salt)

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, 1-hydroxy-2-naphthalenecarboxylate (salt) (9CI)

CN 2-Naphthalenecarboxylic acid, 1-hydroxy-, compd. with (\pm)-4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzenedimethanol (1:1)

OTHER NAMES:

CN Arial

CN GR 33343G

CN GR 3343G

CN Salmeterol

CN **Salmeterol hydroxynaphthoate**

CN **Salmeterol xinafoate**

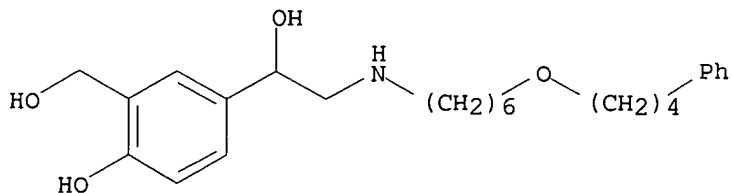
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CN Serevent Diskus

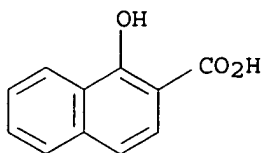
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CN SN 408

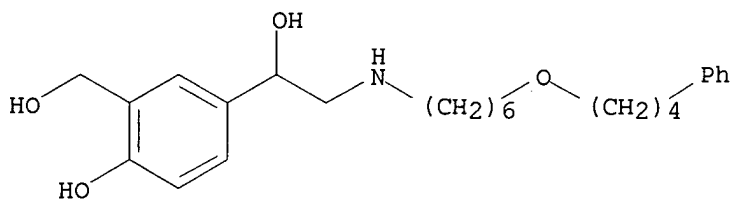
CM 1



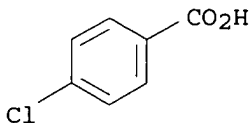
CM 2



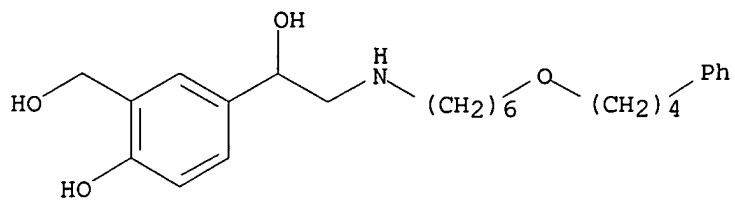
L2 ANSWER 9 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 94749-06-1 REGISTRY
 CN Benzoic acid, 4-chloro-, compd. with 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino)methyl]-1,3-benzenedimethanol (1:1) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino)methyl]-, (\pm)-, 4-chlorobenzoate (salt)
 CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino)methyl]-, 4-chlorobenzoate (salt) (9CI)
 CN Benzoic acid, 4-chloro-, compd. with (\pm)-4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino)methyl]-1,3-benzenedimethanol (1:1)
 OTHER NAMES:
 CN **Salmeterol 4-chlorobenzoate**
 CM 1



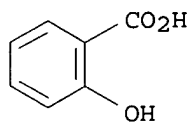
CM 2



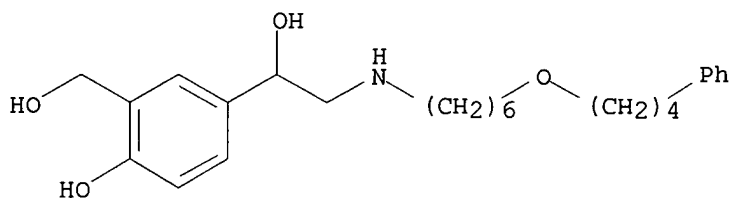
L2 ANSWER 10 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN
 RN 94749-05-0 REGISTRY
 CN Benzoic acid, 2-hydroxy-, compd. with 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino)methyl]-1,3-benzenedimethanol (1:1) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino)methyl]-, (\pm)-, 2-hydroxybenzoate (salt)
 CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino)methyl]-, 2-hydroxybenzoate (salt) (9CI)
 CN Benzoic acid, 2-hydroxy-, compd. with (\pm)-4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino)methyl]-1,3-benzenedimethanol (1:1)
 OTHER NAMES:
 CN **Salmeterol salicylate**
 CM 1



CM 2



L2 ANSWER 11 OF 11 REGISTRY COPYRIGHT 2005 ACS on STN
RN 89365-50-4 REGISTRY



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,3-Benzenedimethanol, 4-hydroxy- α 1-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-, (\pm)-

OTHER NAMES:

CN GR 33343X

CN **Salmeterol**

L27 ANSWER 35 OF 44 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1999051205 PCTFULL ED 20020515
 TITLE (ENGLISH): AEROSOL COMPOSITION
 TITLE (FRENCH): COMPOSITION D'AEROSOL
 INVENTOR(S): DICKINSON, Paul, Alfred;
 WARREN, Simon, John
 PATENT ASSIGNEE(S): UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED;
 CARDIFF SCINTIGRAPHICS LIMITED;
 DICKINSON, Paul, Alfred;
 WARREN, Simon, John
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9951205	A1	19991014

DESIGNATED STATES

W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK
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 KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
 PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN
 YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ
 MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
 MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD
 TG

APPLICATION INFO.: WO 1999-GB1019 A 19990401
 PRIORITY INFO.: GB 1998-9807232.5 19980403

L27 ANSWER 36 OF 44 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1999039729 PCTFULL ED 20020515
 TITLE (ENGLISH): USE OF HEREGULIN AS AN EPITHELIAL CELL GROWTH FACTOR
 TITLE (FRENCH): UTILISATION DE L'HEREGULINE COMME FACTEUR DE CROISSANCE
 DE CELLULE EPITHELIALE
 INVENTOR(S): SLIWKOWSKI, Mark;
 KERN, Jeffrey, A.
 PATENT ASSIGNEE(S): GENENTECH, INC.;
 UNIVERSITY OF IOWA RESEARCH FOUNDATION
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9939729	A2	19990812

DESIGNATED STATES

W:

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
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 LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO
 RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH
 GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF
 BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.: WO 1999-US2390 A 19990203
 PRIORITY INFO.: US 1998-09/020,598 19980204

L27 ANSWER 37 OF 44 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1999030690 PCTFULL ED 20020515
 TITLE (ENGLISH): ORAL DELIVERY FORMULATION
 TITLE (FRENCH): FORMULATION D'ADMINISTRATION PAR VOIE ORALE
 INVENTOR(S): COMPTON, Bruce, Jon;
 SOLARI, Nancy, E.;
 FLANAGAN, Margaret, A.
 PATENT ASSIGNEE(S): AXIA THERAPEUTICS, INC.;
 COMPTON, Bruce, Jon;
 SOLARI, Nancy, E.;
 FLANAGAN, Margaret, A.
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER KIND DATE

WO 9930690 A1 19990624

DESIGNATED STATES

W:

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 1998-US26627 A 19981215

PRIORITY INFO.:

US 1997-60/069,501 19971215

US 1998-60/073,867 19980204

US 1998-09/055,163 19980404

US 1998-09/055,560 19980406

L27 ANSWER 38 OF 44

PCTFULL COPYRIGHT 2005 Univentio on STN

ACCESSION NUMBER:

1998056446 PCTFULL ED 20020514

TITLE (ENGLISH):

DISPENSER WITH DOSES' COUNTER

TITLE (FRENCH):

DISTRIBUTEUR A COMPTEUR DE DOSES

INVENTOR(S):

RAND, Paul, Kenneth;

BRAND, Peter, John;

GODFREY, James, William

PATENT ASSIGNEE(S):

GLAXO GROUP LIMITED;

RAND, Paul, Kenneth;

BRAND, Peter, John;

GODFREY, James, William

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER KIND DATE

WO 9856446 A1 19981217

DESIGNATED STATES

W:

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF
BJ CF CG CI CM GA GN ML MR NE SN TD TG

APPLICATION INFO.:

WO 1998-EP3379 A 19980608

PRIORITY INFO.:

GB 1997-9711889.7 19970610

GB 1997-9721875.4 19971016

L27 ANSWER 39 OF 44

PCTFULL COPYRIGHT 2005 Univentio on STN

ACCESSION NUMBER:

1998056445 PCTFULL ED 20020514

TITLE (ENGLISH):

DISPENSER WITH DOSES COUNTER

TITLE (FRENCH):

DISTRIBUTEUR POURVU D'UN COMPTE-DOSES

INVENTOR(S):

RAND, Paul, Kenneth;

BRAND, Peter, John;

GODFREY, James, William

PATENT ASSIGNEE(S):

GLAXO GROUP LIMITED;

RAND, Paul, Kenneth;

BRAND, Peter, John;

GODFREY, James, William

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER KIND DATE

WO 9856445 A1 19981217

DESIGNATED STATES

W:

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU

SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
 GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF
 BJ CF CG CI CM GA GN ML MR NE SN TD TG

WO 1998-EP3378 A 19980608
 GB 1997-9711889.7 19970610
 GB 1997-9721875.4 19971016

APPLICATION INFO.:
 PRIORITY INFO.:

L27 ANSWER 40 OF 44 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1998056444 PCTFULL ED 20020514
 TITLE (ENGLISH): DISPENSER WITH DOSES' COUNTER
 TITLE (FRENCH): DISTRIBUTEUR MUNI D'UN INDICATEUR DE DOSES
 INVENTOR(S): RAND, Paul, Kenneth;
 BRAND, Peter, John;
 GODFREY, James, William;
 BONNEY, Stanley, George
 PATENT ASSIGNEE(S): GLAXO GROUP LIMITED;
 RAND, Paul, Kenneth;
 BRAND, Peter, John;
 GODFREY, James, William;
 BONNEY, Stanley, George
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9856444	A1	19981217

DESIGNATED STATES
 W:

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
 ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
 SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
 GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF
 BJ CF CG CI CM GA GN ML MR NE SN TD TG

APPLICATION INFO.:
 PRIORITY INFO.:

WO 1998-EP3377 A 19980608
 GB 1997-9711889.7 19970610
 GB 1997-9721875.4 19971016

L27 ANSWER 41 OF 44 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1998027959 PCTFULL ED 20020514
 TITLE (ENGLISH): NEW AQUEOUS MEDICAMENT PREPARATIONS FOR THE PRODUCTION
 OF PROPELLENT GAS-FREE AEROSOLS
 TITLE (FRENCH): NOUVELLES PREPARATIONS MEDICAMENTEUSES AQUEUSES POUR LA
 PRODUCTION D'AEROSOLS DEPOURVUS DE GAZ PROPULSEUR
 INVENTOR(S): FREUND, Bernhard;
 ZIERENBERG, Bernd
 PATENT ASSIGNEE(S): BOEHRINGER INGELHEIM KG;
 FREUND, Bernhard;
 ZIERENBERG, Bernd
 LANGUAGE OF PUBL.: German
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9827959	A2	19980702

DESIGNATED STATES
 W:

AU BA BG BR BY CA CN CZ EE HU ID IL JP KR KZ LT LV MK
 MX NO NZ PL RO RU SG SI SK TR UA US UZ VN YU AT BE DE
 DK ES FI FR GB GR IE IT LU MC NL PT SE

APPLICATION INFO.:
 PRIORITY INFO.:

WO 1997-EP7062 A 19971216
 DE 1996-196 53 969.2 19961220

L27 ANSWER 42 OF 44 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1997044063 PCTFULL ED 20020514
 TITLE (ENGLISH): DHA-PHARMACEUTICAL AGENT CONJUGATES
 TITLE (FRENCH): CONJUGUES D'ACIDE CIS-Docosahexanoïque et d'agents
 pharmaceutiques

INVENTOR(S) : BRADLEY, Matthews, O.;
SHASHOUA, Victor, E.;
WEBB, Nigel, L.;
SWINDELL, Charles, S.
PATENT ASSIGNEE(S) : NEUROMEDICA, INC.
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9744063	A2	19971127

DESIGNATED STATES

W: AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
PT SE

APPLICATION INFO.: WO 1997-US8867 A 19970522
PRIORITY INFO.: US 1996-8/651,312 19960522

L27 ANSWER 43 OF 44 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 1997034871 PCTFULL ED 20020514
TITLE (ENGLISH): NITROSATED AND NITROSYLATED COMPOUNDS AND COMPOSITIONS
AND THEIR USE FOR TREATING RESPIRATORY DISORDERS
TITLE (FRENCH): COMPOSES NITROSES ET DE NITROSYLES ET LEUR UTILISATION
POUR TRAITER DES TROUBLES RESPIRATOIRES

INVENTOR(S) : GARVEY, David, S.;
LETTS, L., Gordon;
RENFROE, H., Burt;
RICHARDSON, Stewart, K.

PATENT ASSIGNEE(S) : NITROMED, INC.;
GARVEY, David, S.;
LETTS, L., Gordon;
RENFROE, H., Burt;
RICHARDSON, Stewart, K.

LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9734871	A1	19970925

DESIGNATED STATES

W: AU CA JP US AT BE CH DE DK ES FI FR GB GR IE IT LU MC
NL PT SE

APPLICATION INFO.: WO 1997-US4319 A 19970319
PRIORITY INFO.: US 1996-8/620,882 19960322

L27 ANSWER 44 OF 44 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 1997001329 PCTFULL ED 20020514
TITLE (ENGLISH): NEW, STABLE MEDICINAL COMPOSITIONS FOR GENERATING
PROPELLANT-FREE AEROSOLS
TITLE (FRENCH): NOUVELLES COMPOSITIONS MEDICAMENTEUSES STABLES UTILES
POUR GENERER DES AEROSOLS SANS GAZ PROPULSEURS

INVENTOR(S) : FREUND, Bernhard;
KRueGER, Michael;
ZIERENBERG, Bernd
PATENT ASSIGNEE(S) : BOEHRINGER INGELHEIM KG;
FREUND, Bernhard;
KRueGER, Michael;
ZIERENBERG, Bernd

LANGUAGE OF PUBL.: German
DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9701329	A1	19970116

DESIGNATED STATES

W: AU BG BR BY CA CN CZ EE FI HU IL JP KR KZ LT LV MX NO
NZ PL RO RU SG SI SK TR UA US UZ VN AT BE CH DE DK ES
FI FR GB GR IE IT LU MC NL PT SE

APPLICATION INFO.: WO 1996-EP2700 A 19960621

=> s 131 fam
L33 1 WO9701329/PN

=> d 131 fam

L31 ANSWER 1 OF 1 INPADOC COPYRIGHT 2005 EPO on STN

PATENT FAMILY INFORMATION
AN 41866439 INPADOC

+-----PRAI-----+
DE 1995-19523207 A 19950627

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DE 1996-59609627 A 19960621
EP 1996-923883 A 19960621
US 1998-973921 B1 19980203

US 1999-396673 A1 19990909

US 2002-102495 A 20020320
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AT 1996-923883 EP 19960621
AU 1996-64144 A 19960621
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US 2002-102495 A 20020320
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CZ 1997-4192	A 19960621
DE 1996-19625027	A 19960621
DE 1996-59609627	A 19960621
DK 1996-923883	A 19960621
EE 1997-371	A 19960621
EP 1996-923883	A 19960621
ES 1996-923883	EP 19960621
HU 1999-1710	A 19960621
IL 1996-122752	A 19960621
JP 1997-504156	A 19960621
NO 1997-6084	A 19971223
NZ 1996-312662	A 19960621
PL 1996-324243	A 19960621
PT 1996-923883	A 19960621
RU 1998-101470	A 19960621
SI 1996-30544	A 19960621
SK 1997-1764	A 19960621
TR 1997-1711	A 19960621
TW 1996-107489	A 19960621
US 1999-396673	A 19990909
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US 2003-373515	A 20030225
WO 1996-EP2700	A 19960621
ZA 1996-5411	A 19960626

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AT 223203	E 20020915
AU 721566	B2 20000706
AU 9664144	A1 19970130
BG 102172	A 19981030
BG 64112	B1 20040130
BR 9609307	A 19990706
CA 2225601	AA 19970116
CA 2225601	C 20031014
CN 1086575B	B 20020626
CN 1189096	A 19980729
CZ 288337	B6 20010516
CZ 9704192	A3 19980617
DE 19625027	A1 19970102
DE 59609627	C0 20021010
DK 835098	T3 20021007
EE 3509	B1 20011015
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EP 835098	A1 19980415
EP 835098	B1 20020904
ES 2183001	T3 20030316
HU 223072	B1 20040301
HU 9901710	AB 19991028
IL 122752	A0 19980816
IL 122752	A1 20010724
JP 11508547	T2 19990727
NO 315452	B1 20030908
NO 9706084	A 19971223
NO 9706084	A0 19971223
NZ 312662	A 20010330
PL 186196	B1 20031128
PL 324243	A1 19980511
PT 835098	T 20021231
RU 2223750	C2 20040220
SI 835098	T1 20030228
SK 282468	B6 20020205
SK 9701764	A3 19980603
TR 9701711	T1 19980521
TW 537903	B 20030621
US 6491897	BA 20021210
US 2002141944	AA 20021003
US 2003165435	AA 20030904
WO 9701329	A1 19970116
ZA 9605411	A 19961227